ELSEVIER

Forest Ecology and Management 126 (2000) 431–432

Forest Ecology and Management

www.elsevier.com/locate/foreco

Contents of *Forest Ecology and Management*, Volume 126

VOL. 126, NO. 1 **1 February 2000**

Woodpecker abundance and tree use in uneven-aged managed, and unmanaged, forest in northern Maine
J.S. Gunn (New Haven, CT, USA) and J.M. Hagan III (Brunswick, ME, USA) 1
Growth and development of loblolly pine in a spacing trial planted in Hawaii
W.R. Harms (Charleston, SC, USA), C.D. Whitesell (Honolulu, HI, USA) and D.S. DeBell (Olympia, WA, USA) 13
Timber harvesting residue treatment: Part 1. Responses of conifer seedlings, soils and microclimate
D. Zabowski (Seattle, WA, USA), B. Java, G. Scherer, R.L. Everett (Wenatchee, WA, USA)
and R. Ottmar (Seattle, WA, USA) 25
Timber harvesting residue treatment. Part II. Understory vegetation response
G. Scherer (Wenatchee, WA, USA), D. Zabowski (Seattle, WA, USA), B. Java and R. Everett (Wenatchee, WA, USA). 35
Catastrophic windthrow in the southern Appalachians: characteristics of pits and mounds and initial
vegetation responses
B.D. Clinton and C.R. Baker (Otto, NC, USA) 51
Assessing alternative allometric algorithms for estimating leaf area of Douglas-fir trees and stands
D.P. Turner, S.A. Acker, J.E. Means and S.L. Garman (Corvallis, OR, USA) 61
Evaluating the effects of forest harvesting on littoral benthic communities within a natural
disturbance-based management model
G.J. Scrimgeour, W.M. Tonn, C.A. Paszkowski and P.M.K. Aku (Alberta, Canada) 77

Guide for Authors 87

VOL. 126, NO. 2 **10 February 2000**

Screening of arbuscular mycorrhizal fungi for their symbiotic efficiency with *Tectona grandis*
S.K. Rajan, B.J.D. Reddy and D.J. Bagyaraj (Bangalore, India). 91
Decomposition and nutrient release from *Picea abies* (L.) Karst. and *Pinus sylvestris* L. logging residues
R. Hyvönen, B.A. Olsson, H. Lundkvist (Uppsala, Sweden) and H. Staaf (Stockholm, Sweden) 97
Saproxylic beetles on aspen in commercial forests: a simulation approach to species richness
M. Kolström and J. Lumatjärvi (Joensuu, Finland). 113
Effect of liming on the ectomycorrhizal status of oak
M.R. Bakker, J. Garbaye and C. Nys (Champenoux, France) 121
Tree pruning as a means of controlling water use in an agroforestry system in Kenya
N.A. Jackson, J.S. Wallace (Wallingford, UK)and C.K. Ong (Nairobi, Kenya) 133
Nutrient conditions in drained peatlands along a north-south climatic gradient in Sweden
E. Sundström, T. Magnusson and B. Hånell (Umeå, Sweden) 149
Seasonal variation in the seed banks of native woodland and coniferous plantations in Northern Spain
M. Onaindia (Bilbao, Spain) and I. Amezaga (Iruña, Spain) 163
The structural dynamics of Suserup Skov, a near-natural temperate deciduous forest in Denmark
J. Emborg (Frederiksberg C, Denmark), M. Christensen (Risskov, Denmark) and J. Heilmann-Clausen
(København K, Denmark). 173

Growth of the non-native *Pinus nigra* in four habitats on the sand dunes of Lake Michigan
L.M. Leege and P.G. Murphy (East Lansing, MI, USA) 191
SPM2: A simulation model for slash pine (*Pinus elliottii*) forests
W.P. Cropper Jr. (Miami, FL, USA) 201
Long-term trends in avifaunal recolonisation of rehabilitated bauxite mines in the jarrah forest of south-western Australia
K.N. Armstrong (Nedlands, Australia) and O.G. Nichols (Western Australia, Australia) 213
Site preparation for establishing lodgepole pine in the sub-boreal spruce zone of interior British Columbia: the Bednesti trial, 10-year results
L. Bedford (Victoria, Canada) and R.F. Sutton (Ont., Canada) 227
Bird communities are affected by amount and dispersion of vegetation retained in mixedwood boreal forest harvest areas
J. Schieck (Alberta, Canada), K. Stuart-Smith (Boyle AB, Canada) and M. Norton (Edmonton AB, Canada) 239
Vector competition analysis of a *Leucaena*–maize alley cropping system in western Kenya
M. Imo and V.R. Timmer (Toronto, Canada) 255

VOL. 126, NO. 3 **25 FEBRUARY 2000**

Effects of ash fertilization and prescribed burning on macronutrient, heavy metal, sulphur and ^{137}Cs concentrations in lingonberries (*Vaccinium vitis-idaea*)
T. Levula (Parkano, Finland), A. Saarsalmi (Vantaa, Finland) and A. Rantavaara (Helsinki, Finland) 269
Reducing predation of conifer seeds by clear-cutting *Rubus fruticosus agg.* in two montane forest stands
M. Schreiner, E.-M. Bauer and J. Kollmann (Freiburg, Germany) 281
Vegetation structure and composition along an interior-edge-exterior gradient in a Costa Rican montane cloud forest
M. Oosterhoorn and M. Kappelle (Amsterdam, The Netherlands) 291
Prediction of PPFD variance at forest floor in a thinned Japanese cypress plantation
H. Mizunaga (Kagoshima, Japan) 309
Effects of simulated acid rain on germination, foliar damage, chlorophyll contents and seedling growth of five hardwood species growing in China
H. Fan (Nanping, China) and Y. Wang (Harbin, China) 321
Changes in carbon storage in fallow forests in the tropical lowlands of Borneo
T. Hashimotio, K. Kojima, T. Tange and S. Sasaki (Tokyo, Japan) 331
Site index equation for *Cupressus lusitanica* stands in Munessa forest, Ethiopia
T. Teshome (Shashemene, Ethiopia) and J.A. Petty (Scotland, UK) 339
Biometric relationships and growth of pruned and non-pruned *Acacia saligna* under runoff irrigation in northern Kenya
K.J. Droppelmann (Campus Sede Boqer, Germany and Bayreuth, Germany) and P.R. Berliner (Campus Sede Boqer, Germany) 349
Solving the stand management problem under biodiversity-related considerations
P. Wikström and L.O. Eriksson (Umeå, Sweden) 361
The potential for using goats to control *Genista scorpius* shrubs in European black pine stands
J. Valderrábano and L. Torrano (Zaragoza, Spain) 377
Comparison of an empirical forest growth and yield simulator and a forest gap simulator using actual 30-year growth from two even-aged forests in Kentucky
D.A. Yaussy (Delaware, OH, USA) 385
Sprouting capability of 17 tropical tree species after overstory removal in Quintana Roo, Mexico
P. Negreros-Castillo and R.B. Hall (Ames, IA, USA) 399
Modeling conifer tree crown radius and estimating canopy cover
S.J. Gill (San Luis Obispo, USA), G.S. Biging (Berkeley, USA) and E.C. Murphy (Redding, CA, USA) 405
Optimising the management of even-aged *Shorea robusta* stands in southern Nepal using individual tree growth models
O. Rautiainen, T. Pukkala and J. Miina (Kuopio, Finland) 417

Contents of *Forest Ecology and Management*, Volume 126 431